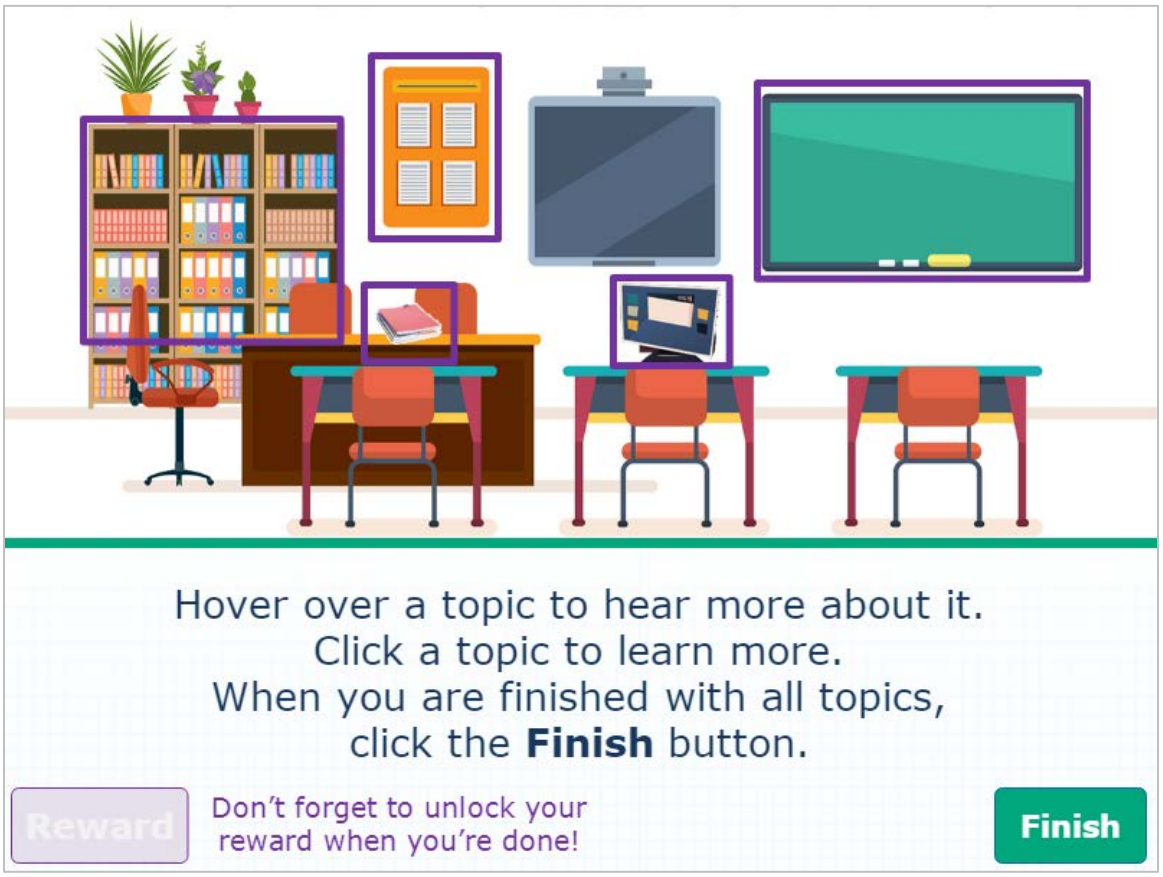
Florida Elevate Science 2019 Middle Grades Program Overview

Home



If you're anything like me, getting a new science curriculum can feel exciting but also a little overwhelming!

In this tutorial, we'll fly through the basics of teaching with Elevate Science Florida Edition 2019 and how it can equip you to support a culture of scientific inquiry in your classroom.
Scared of heights? We've got you covered.

Choose any of the topics in the classroom to get started! You'll get a chance to return here and visit as many topics as you like.

Program Materials

You've received a package of books and materials along with a digital subscription to Savvas Realize. Depending on your district, you may have received equipment materials kits.

You may be using the integrated program, where you will be teaching a mixture of life, earth, and physical science at each grade level.

Or you may be using the program that covers one domain in each grade level. Or maybe your school has selected a custom sequence of topics for each grade level. Either way, the major components and program structure are the same.

Let's look at both the print and digital versions of the program components to see how they will help you plan and teach your science lessons.

Your print **Teacher Edition** mirrors the Student Edition but also contains additional front and end matter and embedded supports on each page.

The **Student Edition** contains reading selections, activities, lab sheets, assessments, and more.

Students can complete these activities in the print version or the Realize Reader Student eText. Many readers will love the option to hear the text read aloud. Students can also download some activities as a Word doc, and starting in Grade 2, students can answer questions in a digital notebook that you can view and grade! Here's a link to the tutorial that will show you how to do that.

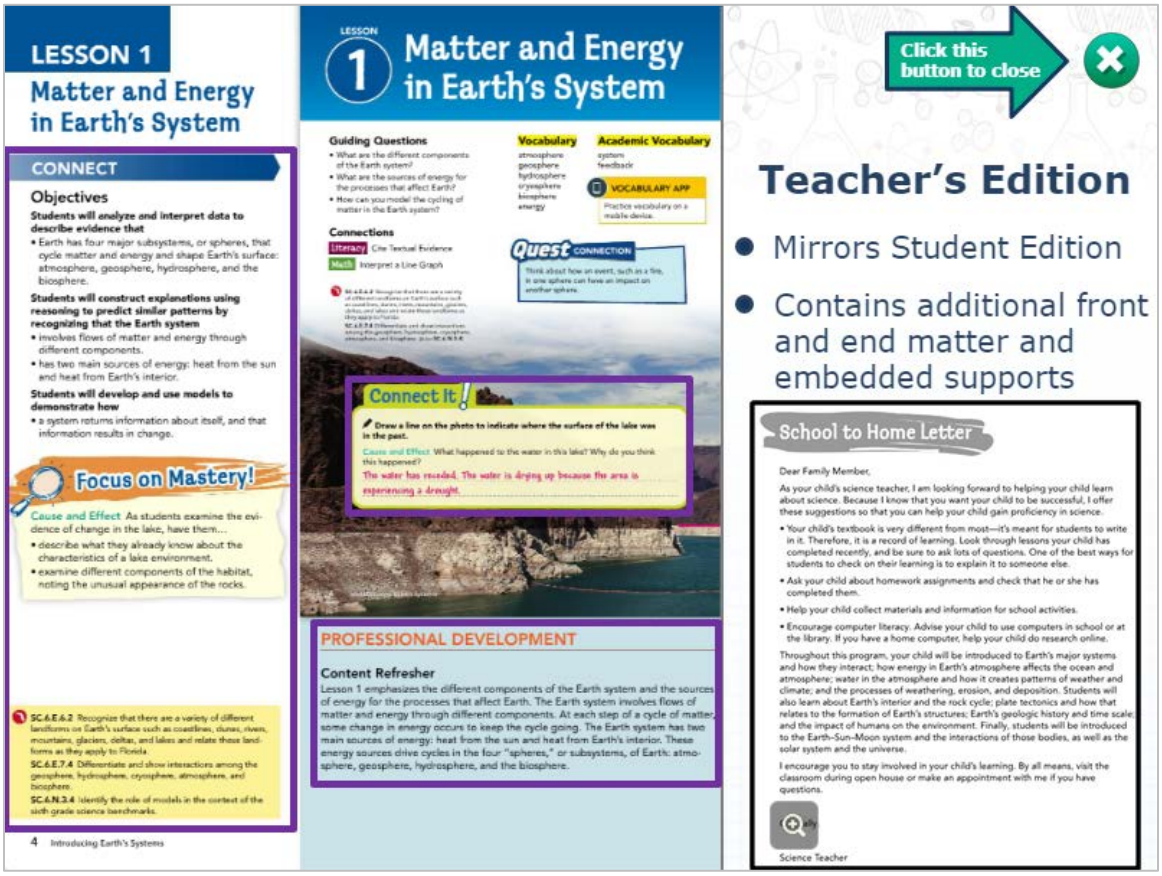
Students can also complete interactive versions of activities on Savvas Realize, such as virtual labs and interactivities.

In addition to the primary texts, you've got print and digital versions of the ***Engineering Design Notebook***, where students can brainstorm, design, prototype, build, and refine their inventions.

Use the ***Science and Engineering Practices Handbook*** for information and activities around the science and engineering practices, an important part of your standards.

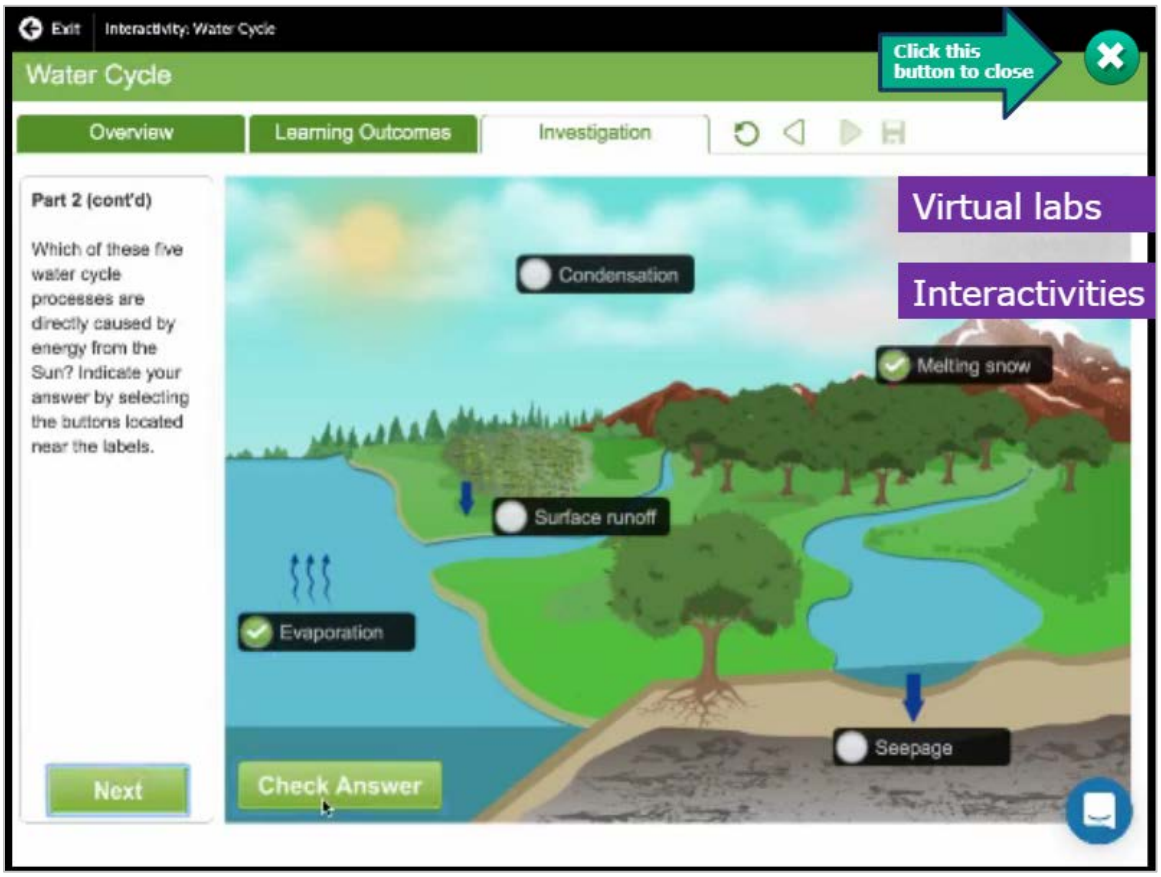
You may have also received **materials kits** that you can use during hands-on activities and labs. Didn't receive any materials kits? Fortunately, most of the materials are common items that you can gather. A list of these items is found at the beginning of each topic in the Teacher's Edition. Or use the virtual labs instead!

Teacher's Edition



Your print **Teacher's Edition** mirrors the Student Edition but also contains additional front and end matter and embedded supports on each page.

Student Edition

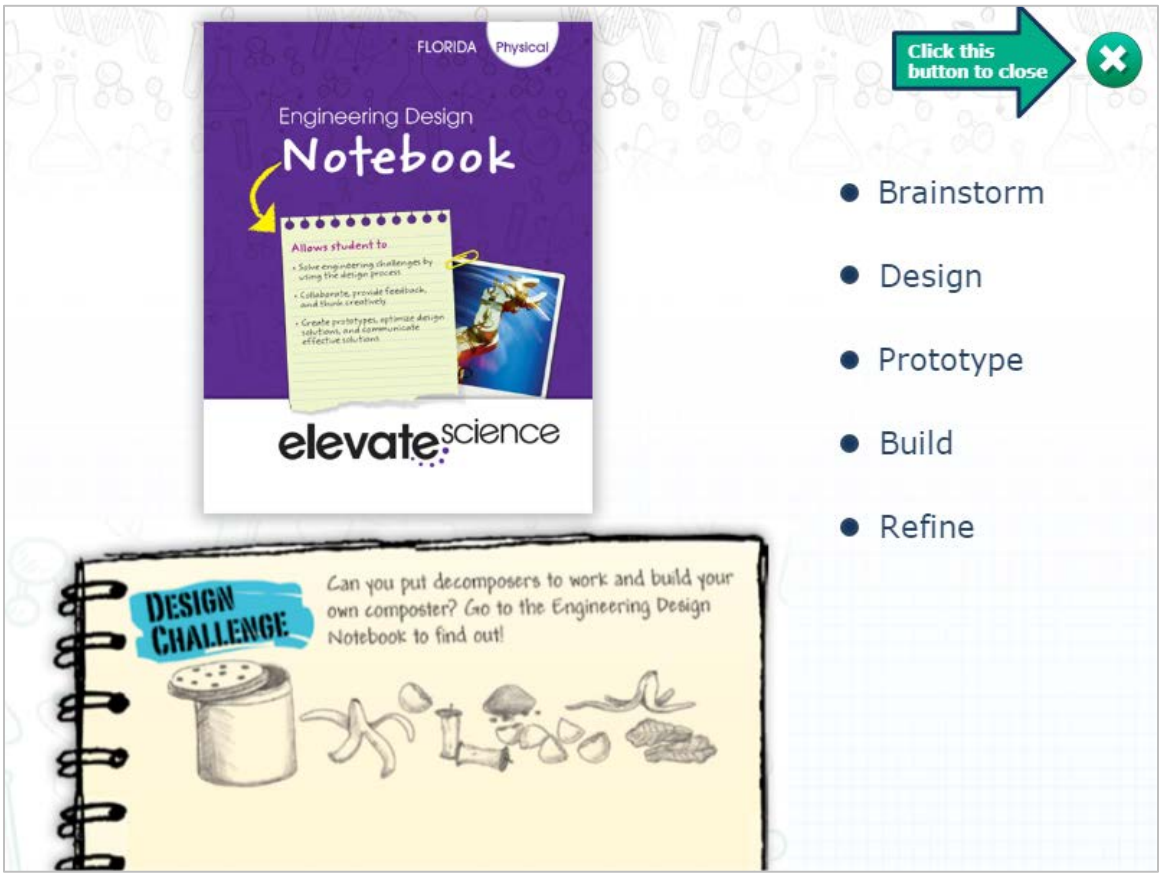


The **Student Edition** contains reading selections, activities, lab sheets, assessments, and more.

Students can complete these activities in the print version or the Realize Reader Student eText. Many readers will love the option to hear the text read aloud. Students can also download some activities as a Word doc, and starting in Grade 2, students can answer questions in a digital notebook that you can view and grade!

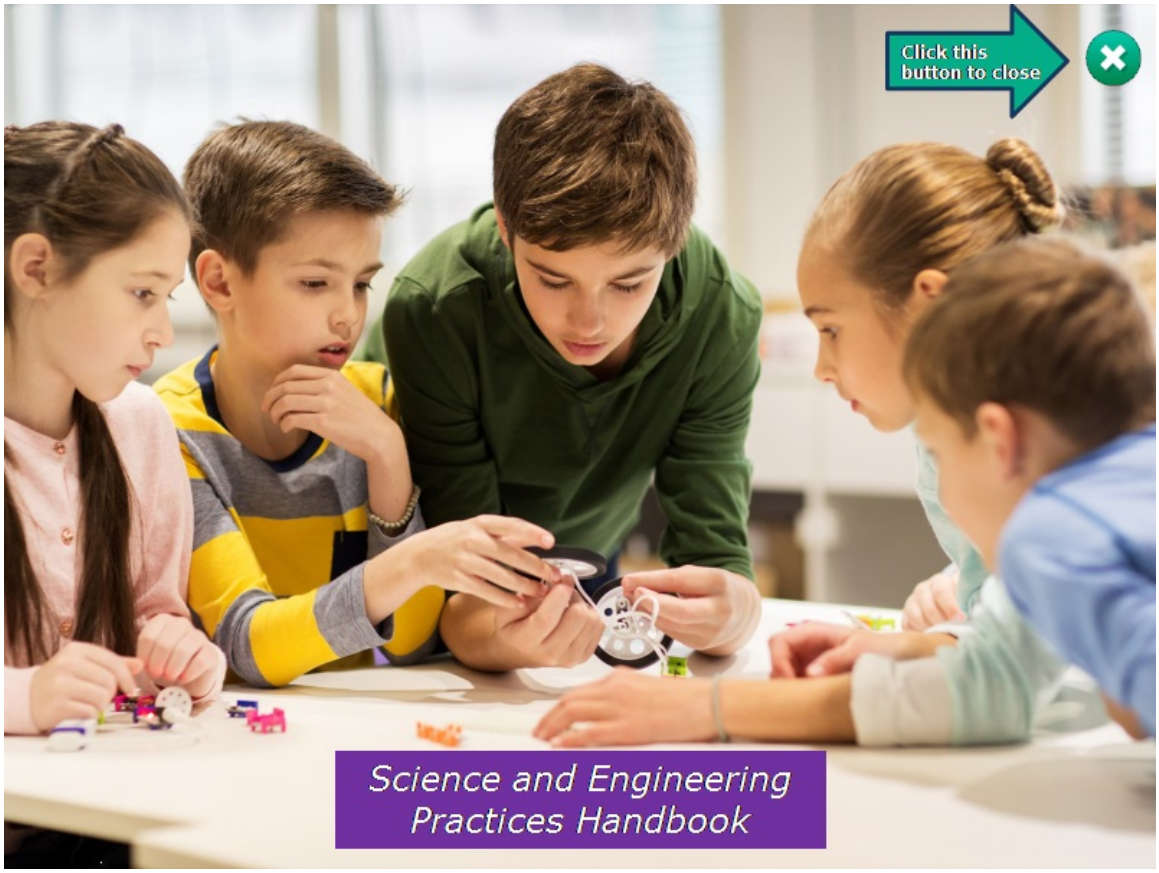
Students can also complete interactive versions of activities on Savvas Realize, such as virtual labs and Interactivities.

Engineering Design Notebook



In addition to the primary texts, you've got print and digital versions of the **Engineering Design Notebook**, where students can brainstorm, design, prototype, build, and refine their inventions.

Science and Engineering Practices Handbook

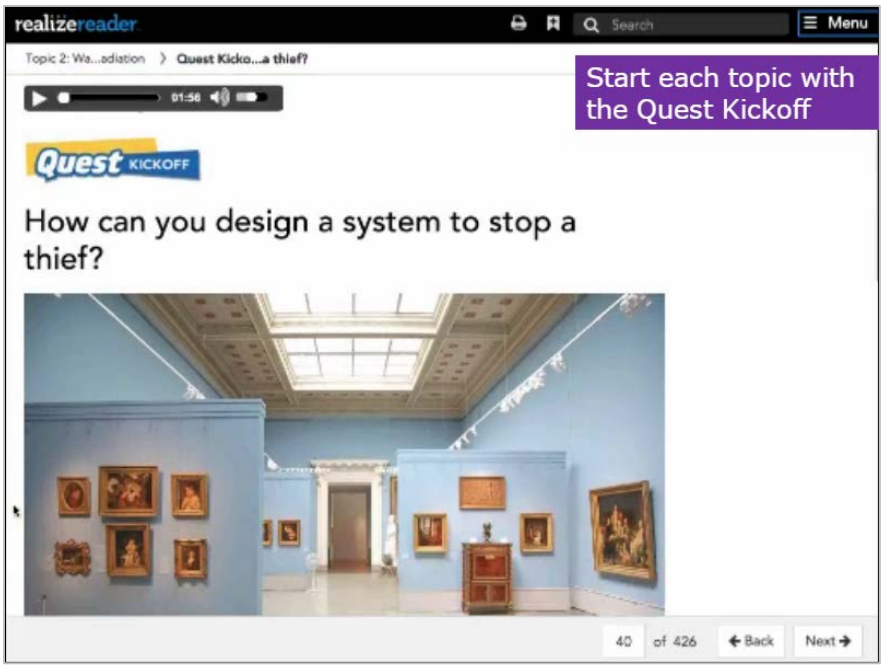


Use the **Science and Engineering Practices Handbook** for information and activities around the science and engineering practices, an important part of your standards.

Materials Kits

You may have also received **materials kits** that you can use during hands-on activities and labs. Didn't receive any materials kits? Fortunately, most of the materials are common items that you can gather. A list of these items is found at the beginning of each topic in the Teacher Edition. Or use the virtual labs instead!

Typical Class Period



Whoa, back up there! Before we look at the lesson detail, let's zoom out a little. First and foremost, make sure you've set up each topic by introducing the phenomena, and kick off the Quest kickoff-an engaging NBC Learn® is a registered trademark of littleBits Electronics Inc. video.

The Quest presents a problem for students to solve using the science content and practices in that topic. They'll complete Quest Check-in activities during lessons as they develop, investigate, and synthesize their ideas, and then they'll present their findings at the end of the topic.

Now, you asked about a lesson, so let's dig in!

Just remember: Connect, Investigate, Synthesize, Demonstrate-or CISD. These four things describe what students will be doing in each lesson phase. And they link nicely to the 5E inquiry process you may be familiar with already-Engage, Explore, Explain, Elaborate, and Evaluate.

Connect activities build and leverage background knowledge that can help students engage with the phenomena and make sense of the lesson's context.

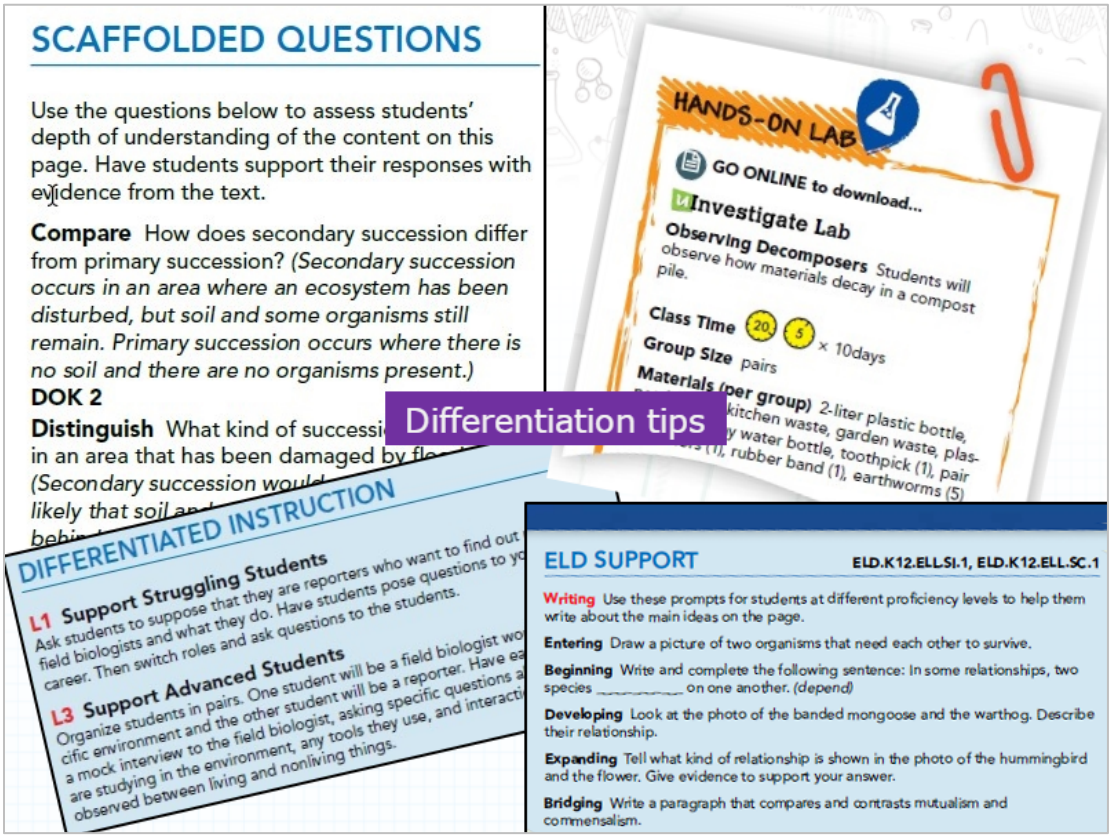
Investigate activities are my favorite. This is where you'll find labs and videos where students explore the scientific phenomena.

Next, they synthesize what they've experienced through activities like interactivities, Quest Check-ins, and classroom discussions to test out their ideas on a problem situation to see what works and why.

Finally, they'll demonstrate what they've learned through a Quiz that can be assigned from Savvas Realize.

Don't forget the Topic Close, where students will show what they've learned in their Quest Findings and a uDemonstrate Lab!

Differentiation and Assessment



Elevate Science educators believe that *all students* can engage in meaningful scientific inquiry! So let's find out how, using your differentiation resources.

Look for these sections in your Teacher Edition for tips on differentiating to all students-struggling students, English language learners, and advanced learners.

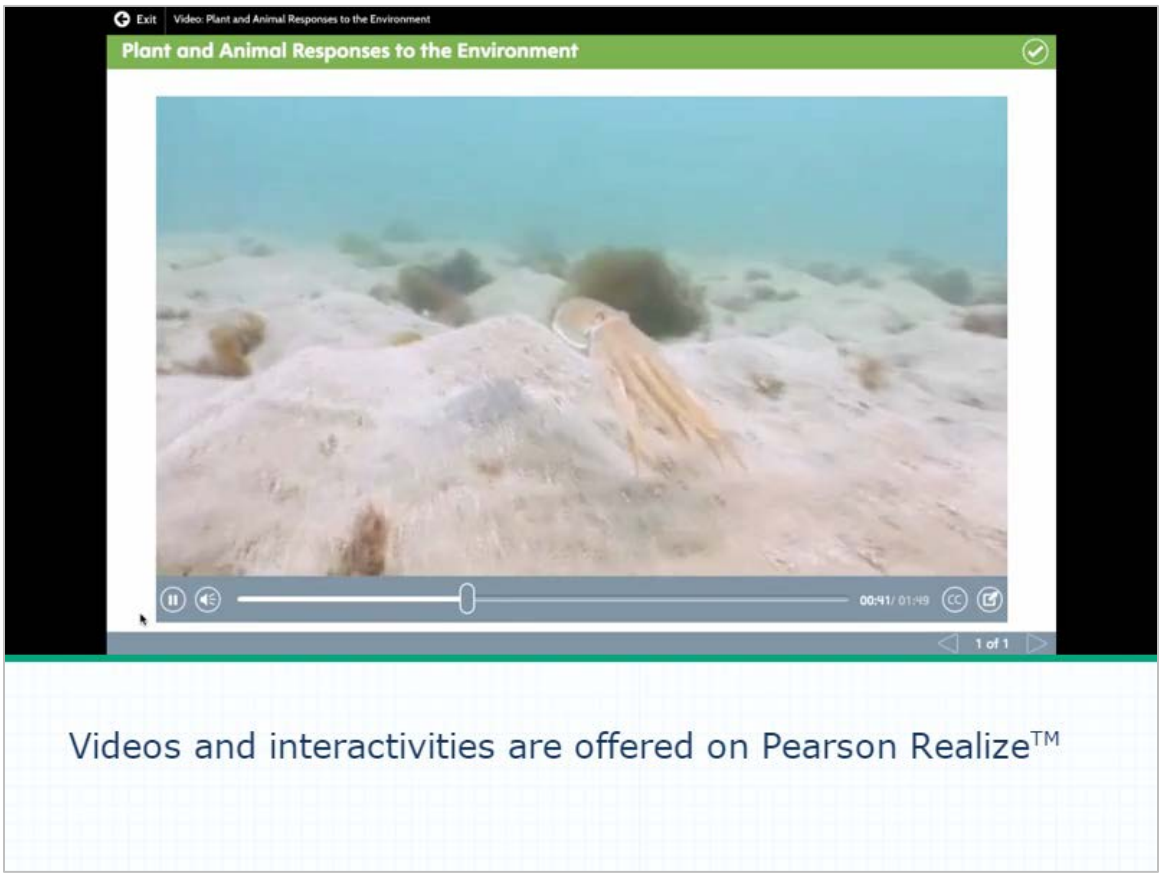
If some of your students struggle with reading, they can use the audio support features in the Realize Reader eText to have the text read aloud to them.

You'll find assessments at the end of each lesson, at the end of each topic, and in the Program Resources folder on Savvas Realize. Let's look at a few of my favorites.

Elevate Science includes more traditional forms of assessment that show what students *know*, but you'll love the Evidence-Based Assessments and Performance Assessments at the end of each topic that show you what students *know how to do*, including designing and running their own lab experiments! And don't forget the Quest Findings, where students present their findings based on the ideas they have been developing and refining over the course of the topic.

Student data is a valuable teaching tool, but we all know how quickly it can get out of hand! If you're wondering how to collect assessment data without adding stacks of paper to your desk, consider de-cluttering with digital assessment and auto-grading! If this is something that interests you, find out more in these tutorials!

Digital Materials



You may be wondering how useful the digital program will be if computers are in short supply for your students. But guess what? Even with a single computer, you can blend in the digital resources by projecting content. And you don't want to miss the incredible videos and interactivities that Savvas Realize has to offer!

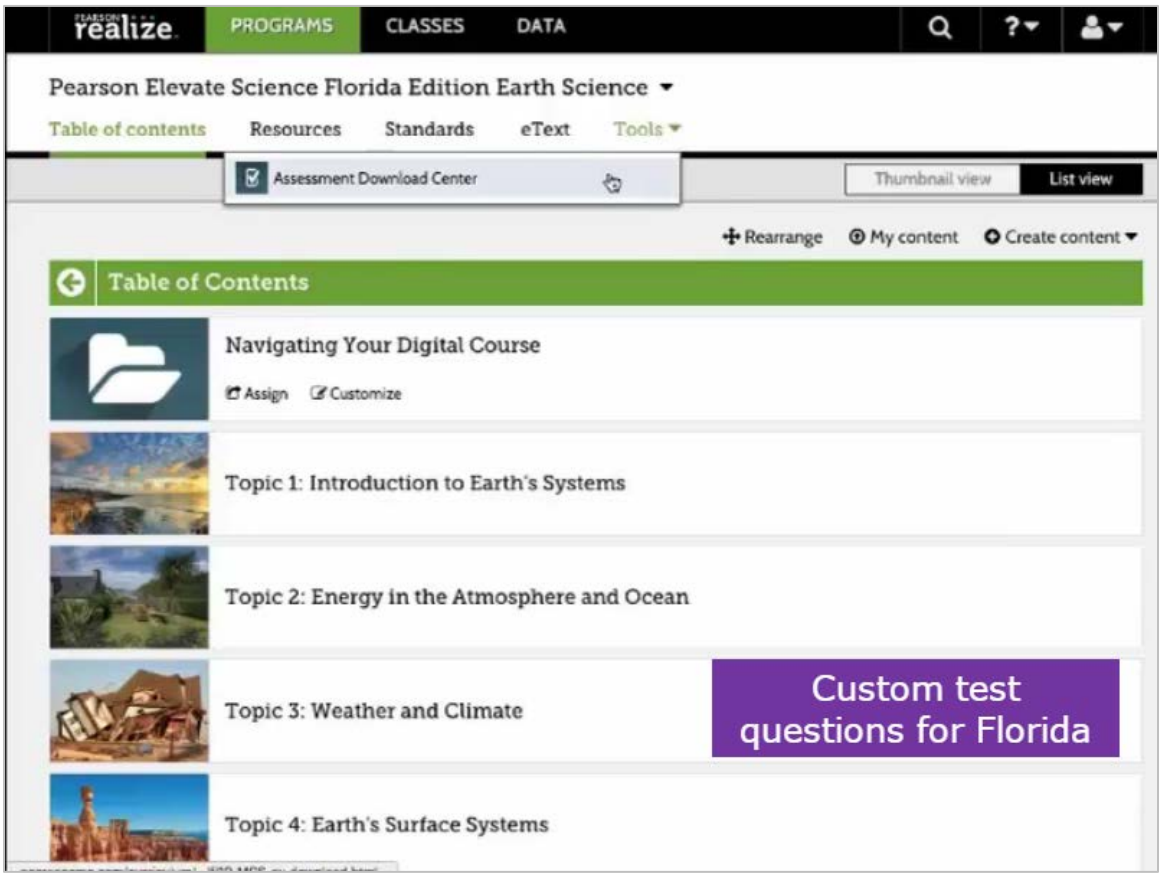
Let's take a quick interactive tour of the Savvas Realize platform, where your digital course is housed.

Once you've logged in, you'll notice that the Savvas Realize home page is divided into three sections- Programs, Classes, and Data. Hover over each section to learn more.

Use the activities on Savvas Realize to project for the class or assign individually for students to complete on their own.

Still feeling a little shaky about navigating and using the Savvas Realize platform? There are many additional tutorials you can find on MySavvasTraining.com.

State Science Assessment



I bet you're wondering how this program will prepare your students to conquer that dreaded eighth-grade assessment!

Behind door number one, we have the *Florida Science Assessment Workbook*, with key vocabulary and five practice tests-in both print and a downloadable digital file on Savvas Realize. You can find it in the Course Tests folder. Oh, and eighth-grade teachers-take comfort in the fact that sixth- and seventh-grade teachers also get access to test prep books. This is a team effort, after all!

And behind door number two, I present Note-Taking Strategies, Reading Strategies, and Test-Taking Strategies in the Program Resources folder-all assignable to students. Visit these throughout the year to build habits of mind for independent learning and testing.

Finally, you've got a digital test bank called ExamView®, with questions specifically designed for Florida that you can use to create custom tests. Download it here to get started!

With all of these resources, we're hoping to help you avoid the mad rush before testing season by spreading test prep over three years.

ExamView® is a trademark of eInstruction Corporation, which was not involved in the production of, and does not endorse, this product.